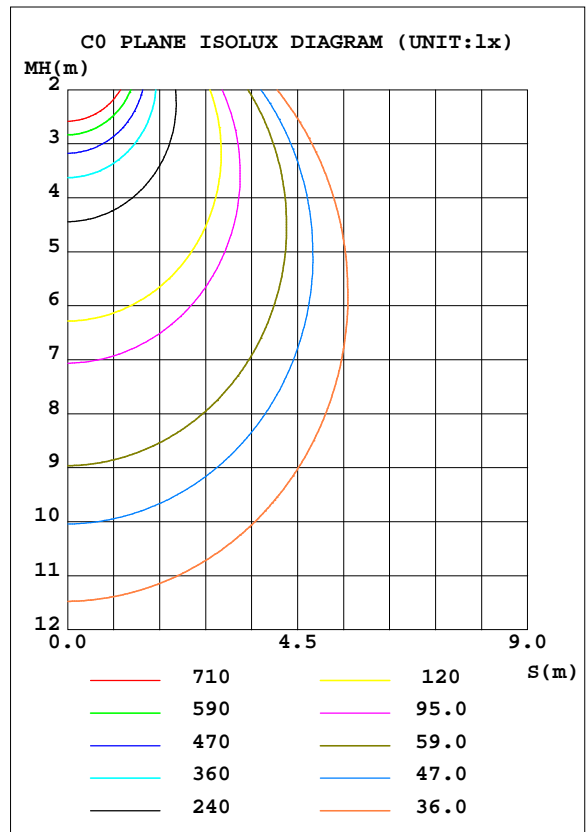
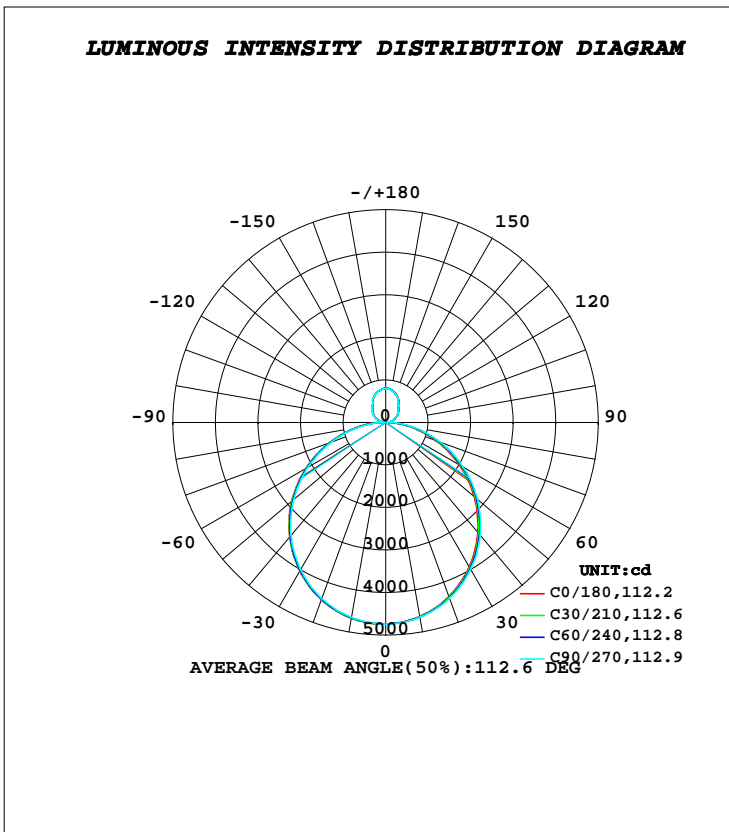


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---|--------------------|--|
| Test:U:221.70V I:0.5700A P:124.00W PF:0.9800 Freq:50.00Hz | | |
| Lamp Flux:15834.7x1 lm | | |
| Name: NS40-φ1150MM-120W | Type: LED | |
| MFR.: Lumega Group | DIM.: D1150*H100mm | |
| | SUR.: D1130mm | |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 127.70 lm/W | | | |
|------------------|---------|-----------------------------------|---------|--------------------|----------|
| MODEL | | I _{max} (cd) | 4741 | S/MH(C0/180) | 1.24 |
| NOMINAL POWER(W) | 120 | LOR(%) | 100.0 | S/MH(C90/270) | 1.25 |
| RATED VOLTAGE(V) | 220 | TOTAL FLUX(lm) | 15835 | η UP, DN(C0-180) | 6.5,43.2 |
| NOMINAL FLUX(lm) | 15834.7 | CIE CLASS | SEMI-D. | η UP, DN(C180-360) | 6.7,43.7 |
| LAMPS INSIDE | 1 | η up(%) | 13.1 | CIBSE SHR NOM | 1.25 |
| TEST VOLTAGE(V) | 221.6 | η down(%) | 86.9 | CIBSE SHR MAX | 1.35 |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-05-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7063]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

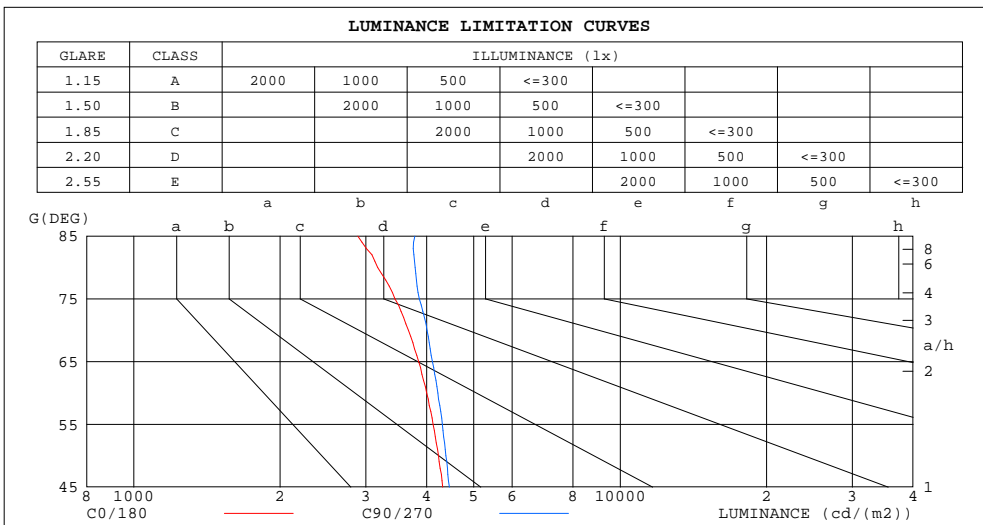
| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum,lamp |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|--------------|-----------|
| 10 | 4630 | 4639 | 4650 | 4664 | 4673 | 4665 | 4651 | 4641 | 0- 10 | 448.2 | 448.2 | 2.83,2.83 |
| 20 | 4353 | 4375 | 4396 | 4419 | 4433 | 4422 | 4402 | 4380 | 10- 20 | 1283 | 1731 | 10.9,10.9 |
| 30 | 3924 | 3960 | 3991 | 4021 | 4039 | 4027 | 4000 | 3966 | 20- 30 | 1941 | 3672 | 23.2,23.2 |
| 40 | 3371 | 3418 | 3458 | 3494 | 3515 | 3498 | 3464 | 3422 | 30- 40 | 2338 | 6010 | 38,38 |
| 50 | 2721 | 2773 | 2819 | 2862 | 2887 | 2866 | 2825 | 2778 | 40- 50 | 2427 | 8437 | 53.3,53.3 |
| 60 | 2001 | 2061 | 2109 | 2148 | 2168 | 2149 | 2111 | 2062 | 50- 60 | 2204 | 10640 | 67.2,67.2 |
| 70 | 1255 | 1321 | 1371 | 1403 | 1416 | 1400 | 1367 | 1318 | 60- 70 | 1712 | 12353 | 78,78 |
| 80 | 551.1 | 612.6 | 657.7 | 682.6 | 690.6 | 674.9 | 645.0 | 603.4 | 70- 80 | 1047 | 13400 | 84.6,84.6 |
| 90 | 31.17 | 39.94 | 52.79 | 76.62 | 92.78 | 72.08 | 45.36 | 34.57 | 80- 90 | 358.0 | 13758 | 86.9,86.9 |
| 100 | 101.0 | 92.61 | 87.88 | 88.31 | 91.34 | 96.67 | 101.6 | 102.5 | 90-100 | 65.35 | 13823 | 87.3,87.3 |
| 110 | 223.6 | 214.1 | 207.7 | 204.8 | 206.3 | 218.2 | 229.6 | 229.9 | 100-110 | 165.0 | 13988 | 88.3,88.3 |
| 120 | 309.9 | 301.9 | 298.3 | 301.1 | 307.0 | 315.7 | 322.1 | 319.1 | 110-120 | 259.2 | 14247 | 90,90 |
| 130 | 401.9 | 392.3 | 388.1 | 391.3 | 398.3 | 409.6 | 418.0 | 414.0 | 120-130 | 318.7 | 14566 | 92,92 |
| 140 | 475.1 | 469.6 | 468.6 | 474.3 | 482.4 | 491.7 | 497.1 | 490.2 | 130-140 | 341.5 | 14907 | 94.1,94.1 |
| 150 | 615.9 | 606.3 | 600.6 | 600.4 | 603.4 | 610.9 | 617.9 | 618.7 | 140-150 | 335.1 | 15243 | 96.3,96.3 |
| 160 | 718.1 | 706.6 | 701.3 | 705.7 | 712.5 | 715.4 | 717.2 | 718.1 | 150-160 | 305.5 | 15548 | 98.2,98.2 |
| 170 | 784.6 | 780.7 | 777.3 | 774.1 | 772.2 | 774.3 | 777.7 | 781.0 | 160-170 | 211.1 | 15759 | 99.5,99.5 |
| 180 | 812.0 | 806.4 | 804.5 | 809.0 | 813.2 | 808.5 | 803.7 | 805.9 | 170-180 | 75.52 | 15835 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-05-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7063]
Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|---|--------------------|--|
| Test:U:221.70V I:0.5700A P:124.00W PF:0.9800 Freq:50.00Hz | | |
| Lamp Flux:15834.7x1 lm | | |
| Name: NS40-φ1150MM-120W | Type: LED | |
| MFR.: Lumega Group | DIM.: D1150*H100mm | |
| | SUR.: D1130mm | |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 2887 | 3784 |
| 80 | 3173 | 3788 |
| 75 | 3446 | 3865 |
| 70 | 3670 | 4010 |
| 65 | 3852 | 4113 |
| 60 | 4002 | 4219 |
| 55 | 4127 | 4313 |
| 50 | 4234 | 4385 |
| 45 | 4314 | 4454 |

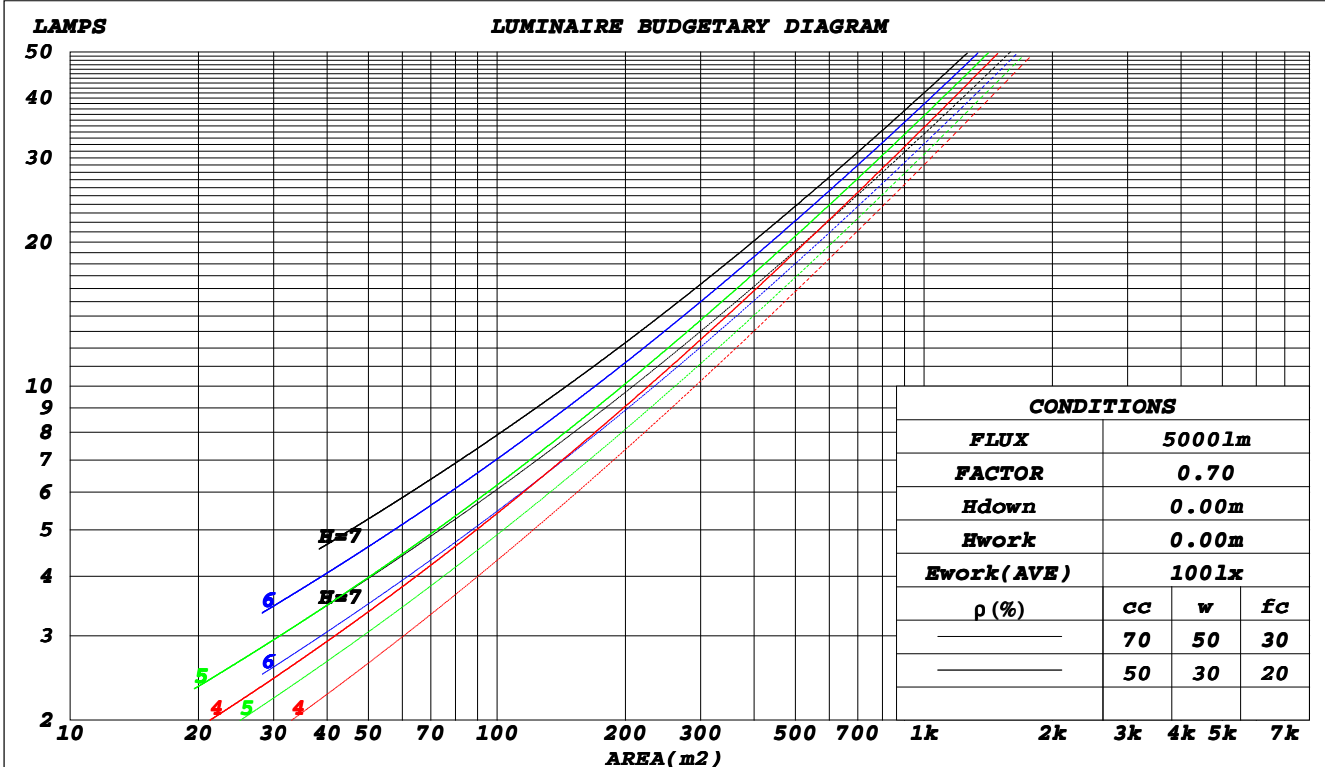
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-05-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|--------------------|--|
| Test:U:221.70V I:0.5700A P:124.00W PF:0.9800 Freq:50.00Hz | | |
| Lamp Flux:15834.7x1 lm | | |
| Name: NS40-φ1150MM-120W | Type: LED | |
| MFR.: Lumega Group | DIM.: D1150*H100mm | |
| | SUR.: D1130mm | |

| ρ _{cc} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|-----------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|-----|-----|-----|-----|-----|-----|-----|
| ρ _w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρ _{fc} | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Coefficients of Utilization(CU) | | | | | | | | | |
| 0.0 | 1.16 | 1.16 | 1.16 | 1.12 | 1.12 | 1.12 | 1.04 | 1.04 | 1.04 | .97 | .97 | .97 | .90 | .90 | .90 | .87 |
| 1.0 | 1.01 | .96 | .92 | .97 | .93 | .90 | .90 | .87 | .84 | .84 | .82 | .79 | .79 | .77 | .75 | .72 |
| 2.0 | .87 | .81 | .75 | .84 | .78 | .73 | .79 | .74 | .69 | .74 | .69 | .66 | .69 | .65 | .62 | .60 |
| 3.0 | .77 | .68 | .62 | .74 | .67 | .61 | .69 | .63 | .58 | .65 | .60 | .55 | .61 | .56 | .53 | .50 |
| 4.0 | .68 | .59 | .52 | .66 | .57 | .51 | .61 | .55 | .49 | .58 | .52 | .47 | .54 | .49 | .45 | .43 |
| 5.0 | .60 | .52 | .45 | .59 | .50 | .44 | .55 | .48 | .42 | .52 | .46 | .41 | .48 | .43 | .39 | .37 |
| 6.0 | .54 | .45 | .39 | .53 | .44 | .38 | .50 | .42 | .37 | .47 | .40 | .36 | .44 | .39 | .34 | .32 |
| 7.0 | .49 | .40 | .34 | .48 | .40 | .34 | .45 | .38 | .33 | .42 | .36 | .32 | .40 | .35 | .30 | .28 |
| 8.0 | .45 | .36 | .31 | .44 | .36 | .30 | .41 | .34 | .29 | .39 | .33 | .28 | .37 | .31 | .27 | .25 |
| 9.0 | .41 | .33 | .27 | .40 | .32 | .27 | .38 | .31 | .26 | .36 | .30 | .25 | .34 | .29 | .25 | .23 |
| 10.0 | .38 | .30 | .25 | .37 | .29 | .24 | .35 | .28 | .24 | .33 | .27 | .23 | .31 | .26 | .22 | .21 |



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2022-05-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.443
 Humidity: 65.0%
 Test Distance: 8.000m [K=0.7063]
 Remarks:

WEC AND CCEC

| | | |
|---|--------------------|--|
| Test:U:221.70V I:0.5700A P:124.00W PF:0.9800 Freq:50.00Hz | | |
| Lamp Flux:15834.7x1 lm | | |
| Name: NS40-φ1150MM-120W | Type: LED | |
| MFR.: Lumega Group | DIM.: D1150*H100mm | |
| | SUR.: D1130mm | |

| ρ _{cc} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|-----------------|------------------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| ρ _w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρ _{fc} | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coefficients(WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .312 | .178 | .056 | .301 | .172 | .055 | .281 | .161 | .051 | .262 | .151 | .048 | .244 | .141 | .046 | |
| 2.0 | .290 | .159 | .049 | .280 | .154 | .048 | .262 | .146 | .045 | .245 | .137 | .043 | .229 | .129 | .041 | |
| 3.0 | .267 | .142 | .043 | .258 | .138 | .042 | .242 | .131 | .040 | .226 | .124 | .038 | .212 | .117 | .036 | |
| 4.0 | .246 | .128 | .038 | .238 | .124 | .037 | .223 | .118 | .035 | .209 | .112 | .034 | .196 | .106 | .032 | |
| 5.0 | .227 | .116 | .033 | .220 | .113 | .033 | .206 | .107 | .032 | .193 | .102 | .030 | .181 | .097 | .029 | |
| 6.0 | .210 | .105 | .030 | .204 | .103 | .030 | .191 | .098 | .029 | .180 | .093 | .027 | .169 | .089 | .026 | |
| 7.0 | .196 | .097 | .027 | .190 | .094 | .027 | .178 | .090 | .026 | .168 | .086 | .025 | .158 | .082 | .024 | |
| 8.0 | .183 | .089 | .025 | .177 | .087 | .025 | .167 | .083 | .024 | .157 | .079 | .023 | .148 | .076 | .022 | |
| 9.0 | .171 | .083 | .023 | .166 | .081 | .023 | .156 | .077 | .022 | .147 | .074 | .021 | .139 | .071 | .020 | |
| 10.0 | .161 | .077 | .021 | .156 | .075 | .021 | .147 | .072 | .020 | .139 | .069 | .020 | .131 | .066 | .019 | |

| ρ _{cc} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|-----------------|------------------------------|------|------|------|------|------|---|------|------|------|------|------|------|------|------|---|
| ρ _w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρ _{fc} | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | |
| 0.0 | .290 | .290 | .290 | .248 | .248 | .248 | .169 | .169 | .169 | .097 | .097 | .097 | .031 | .031 | .031 | |
| 1.0 | .281 | .257 | .235 | .241 | .220 | .202 | .165 | .152 | .140 | .095 | .088 | .081 | .030 | .028 | .026 | |
| 2.0 | .273 | .233 | .200 | .234 | .201 | .173 | .161 | .139 | .120 | .093 | .081 | .071 | .030 | .026 | .023 | |
| 3.0 | .266 | .216 | .177 | .228 | .187 | .153 | .157 | .130 | .107 | .090 | .076 | .063 | .029 | .025 | .021 | |
| 4.0 | .258 | .203 | .161 | .222 | .176 | .140 | .153 | .122 | .099 | .088 | .072 | .058 | .028 | .023 | .019 | |
| 5.0 | .251 | .193 | .150 | .216 | .167 | .131 | .149 | .117 | .092 | .086 | .069 | .055 | .028 | .022 | .018 | |
| 6.0 | .244 | .185 | .143 | .210 | .160 | .124 | .145 | .112 | .088 | .084 | .066 | .052 | .027 | .022 | .017 | |
| 7.0 | .238 | .178 | .137 | .204 | .155 | .119 | .141 | .108 | .085 | .082 | .064 | .050 | .026 | .021 | .017 | |
| 8.0 | .231 | .173 | .133 | .199 | .150 | .116 | .138 | .105 | .082 | .080 | .062 | .049 | .026 | .020 | .016 | |
| 9.0 | .225 | .168 | .129 | .194 | .146 | .113 | .134 | .102 | .080 | .078 | .061 | .048 | .025 | .020 | .016 | |
| 10.0 | .220 | .164 | .127 | .189 | .142 | .110 | .131 | .100 | .078 | .077 | .059 | .047 | .025 | .019 | .016 | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-05-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7063]
Remarks:

UGR(Unified Glare Rating) Table

| | | |
|---|--------------------|--|
| Test:U:221.70V I:0.5700A P:124.00W PF:0.9800 Freq:50.00Hz | | |
| Lamp Flux:15834.7x1 lm | | |
| Name: NS40-φ1150MM-120W | Type: LED | |
| MFR.: Lumega Group | DIM.: D1150*H100mm | |
| | SUR.: D1130mm | |

| ceiling/cavity | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
|--|-------------------------|------|------|------|------|-----------------------|------|------|------|------|
| walls | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room dimensions | Viewed crosswise | | | | | Viewed endwise | | | | |
| x = 2H y = 2H | 17.0 | 18.3 | 17.4 | 18.7 | 19.2 | 17.2 | 18.5 | 17.6 | 18.9 | 19.4 |
| 3H | 18.5 | 19.7 | 18.9 | 20.1 | 20.6 | 18.7 | 20.0 | 19.2 | 20.4 | 20.9 |
| 4H | 19.1 | 20.2 | 19.6 | 20.7 | 21.2 | 19.4 | 20.6 | 19.9 | 21.0 | 21.6 |
| 6H | 19.5 | 20.6 | 20.0 | 21.1 | 21.6 | 19.9 | 21.0 | 20.5 | 21.5 | 22.1 |
| 8H | 19.6 | 20.7 | 20.2 | 21.2 | 21.8 | 20.1 | 21.2 | 20.7 | 21.7 | 22.3 |
| 12H | 19.7 | 20.7 | 20.3 | 21.3 | 21.8 | 20.3 | 21.3 | 20.8 | 21.8 | 22.4 |
| 4H 2H | 17.6 | 18.7 | 18.1 | 19.2 | 19.7 | 17.7 | 18.9 | 18.2 | 19.3 | 19.9 |
| 3H | 19.2 | 20.2 | 19.8 | 20.8 | 21.3 | 19.5 | 20.5 | 20.0 | 21.0 | 21.6 |
| 4H | 20.0 | 20.9 | 20.5 | 21.4 | 22.0 | 20.3 | 21.2 | 20.8 | 21.7 | 22.3 |
| 6H | 20.5 | 21.3 | 21.1 | 21.9 | 22.6 | 20.9 | 21.7 | 21.5 | 22.3 | 23.0 |
| 8H | 20.7 | 21.5 | 21.3 | 22.1 | 22.7 | 21.2 | 22.0 | 21.8 | 22.5 | 23.2 |
| 12H | 20.9 | 21.6 | 21.5 | 22.2 | 22.8 | 21.4 | 22.1 | 22.0 | 22.7 | 23.4 |
| 8H 4H | 20.2 | 21.0 | 20.8 | 21.6 | 22.2 | 20.5 | 21.3 | 21.1 | 21.8 | 22.5 |
| 6H | 21.0 | 21.6 | 21.6 | 22.2 | 22.9 | 21.3 | 22.0 | 22.0 | 22.6 | 23.3 |
| 8H | 21.3 | 21.8 | 21.9 | 22.5 | 23.2 | 21.7 | 22.3 | 22.3 | 22.9 | 23.6 |
| 12H | 21.5 | 22.0 | 22.2 | 22.6 | 23.4 | 22.0 | 22.5 | 22.7 | 23.1 | 23.9 |
| 12H 4H | 20.3 | 20.9 | 20.9 | 21.5 | 22.2 | 20.5 | 21.2 | 21.1 | 21.8 | 22.5 |
| 6H | 21.0 | 21.6 | 21.7 | 22.2 | 23.0 | 21.4 | 21.9 | 22.0 | 22.6 | 23.3 |
| 8H | 21.4 | 21.9 | 22.1 | 22.5 | 23.3 | 21.8 | 22.3 | 22.5 | 22.9 | 23.7 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | |
| S = 1.0H | + 0.1 / - 0.2 | | | | | + 0.1 / - 0.2 | | | | |
| 1.5H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |
| 2.0H | + 0.1 / - 0.3 | | | | | + 0.1 / - 0.3 | | | | |

CIE Pub.117, 15835 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 9.6)
 Area: 1 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-05-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7063]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|---|--------------------|--|
| Test:U:221.70V I:0.5700A P:124.00W PF:0.9800 Freq:50.00Hz Lamp Flux:15834.7x1 lm | | |
| Name: NS40-φ1150MM-120W | Type: LED | |
| MFR.: Lumega Group | DIM.: D1150*H100mm | |
| | SUR.: D1130mm | |

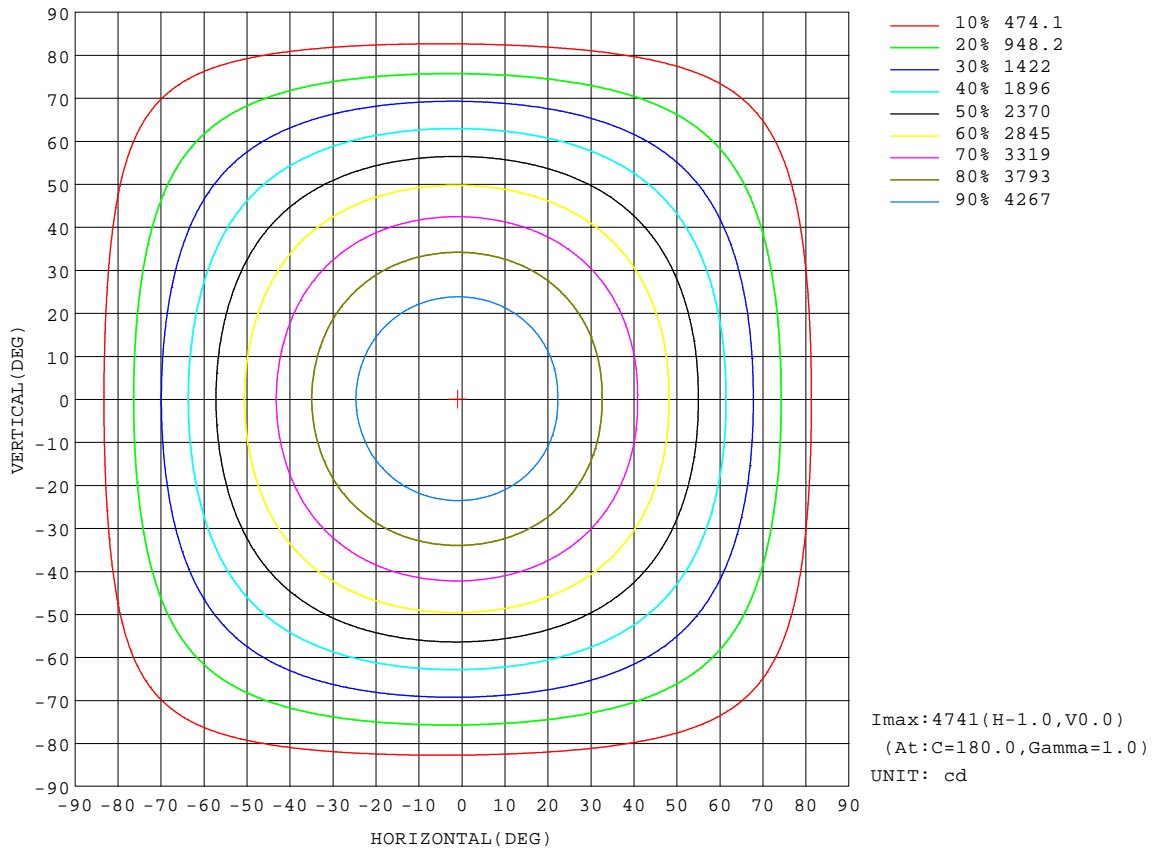
| REFLECTANCE | | | | | | | | | | |
|---|---|-----|------------------|-----|-----|-----|----------------------|-----|-----|---------------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| k = 0.60 | 53 | 42 | 35 | 52 | 41 | 35 | 50 | 40 | 34 | 27 |
| 0.80 | 63 | 52 | 44 | 62 | 51 | 44 | 59 | 49 | 43 | 35 |
| 1.00 | 71 | 60 | 53 | 70 | 59 | 52 | 66 | 59 | 51 | 42 |
| 1.25 | 79 | 68 | 60 | 76 | 66 | 59 | 72 | 64 | 58 | 49 |
| 1.50 | 84 | 73 | 66 | 81 | 72 | 65 | 76 | 69 | 63 | 53 |
| 2.00 | 91 | 82 | 75 | 88 | 80 | 73 | 82 | 76 | 70 | 60 |
| 2.50 | 95 | 86 | 80 | 91 | 84 | 78 | 86 | 80 | 75 | 63 |
| 3.00 | 98 | 91 | 85 | 95 | 88 | 83 | 89 | 83 | 79 | 67 |
| 4.00 | 102 | 96 | 91 | 99 | 93 | 89 | 92 | 88 | 84 | 71 |
| 5.00 | 105 | 100 | 95 | 101 | 97 | 93 | 94 | 91 | 88 | 74 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | SHRNOM = 1.25 | | | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-05-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7063]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|---|--------------------|--|
| Test:U:221.70V I:0.5700A P:124.00W PF:0.9800 Freq:50.00Hz | | |
| Lamp Flux:15834.7x1 lm | | |
| Name: NS40-φ1150MM-120W | Type: LED | |
| MFR.: Lumega Group | DIM.: D1150*H100mm | |
| | SUR.: D1130mm | |



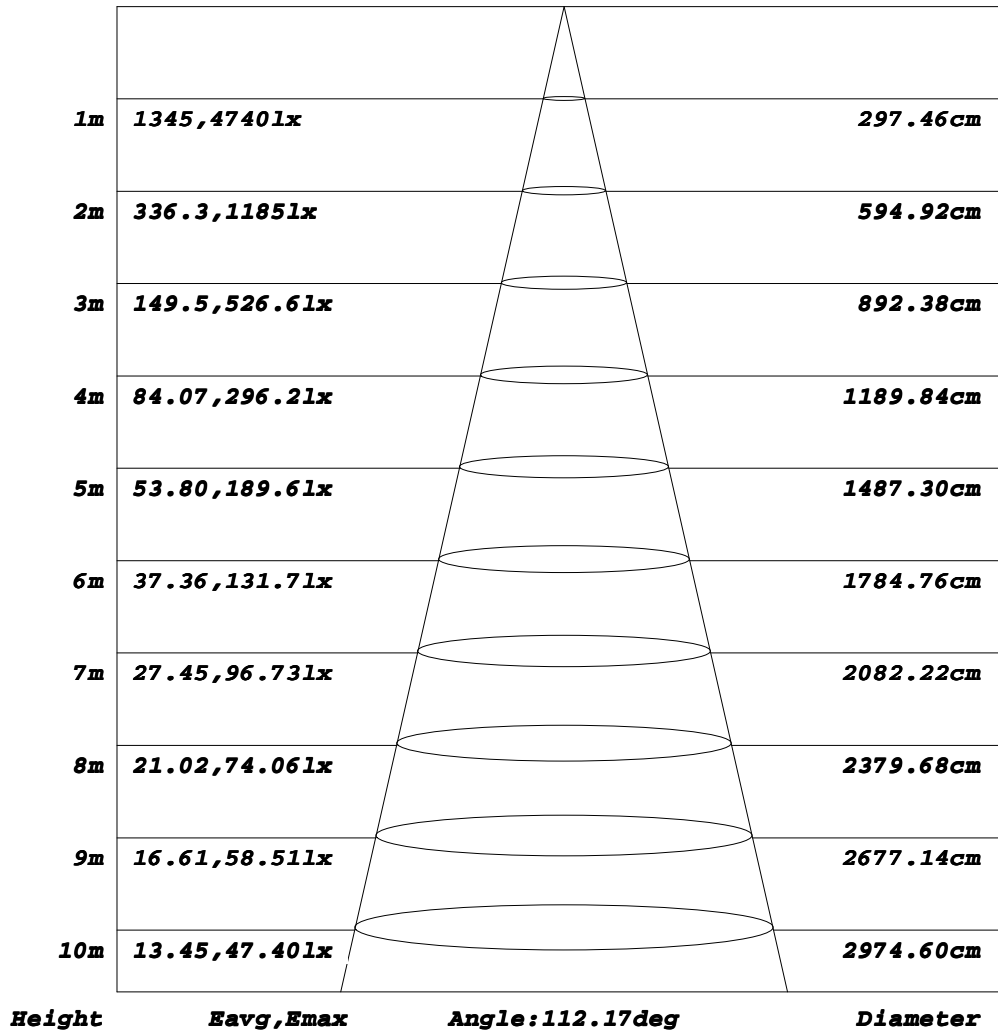
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-05-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks:

AAI Figure

| | | |
|---|--------------------|--|
| Test:U:221.70V I:0.5700A P:124.00W PF:0.9800 Freq:50.00Hz | | |
| Lamp Flux:15834.7x1 lm | | |
| Name: NS40-φ1150MM-120W | Type: LED | |
| MFR.: Lumega Group | DIM.: D1150*H100mm | |
| | SUR.: D1130mm | |

Flux out:10020 lm



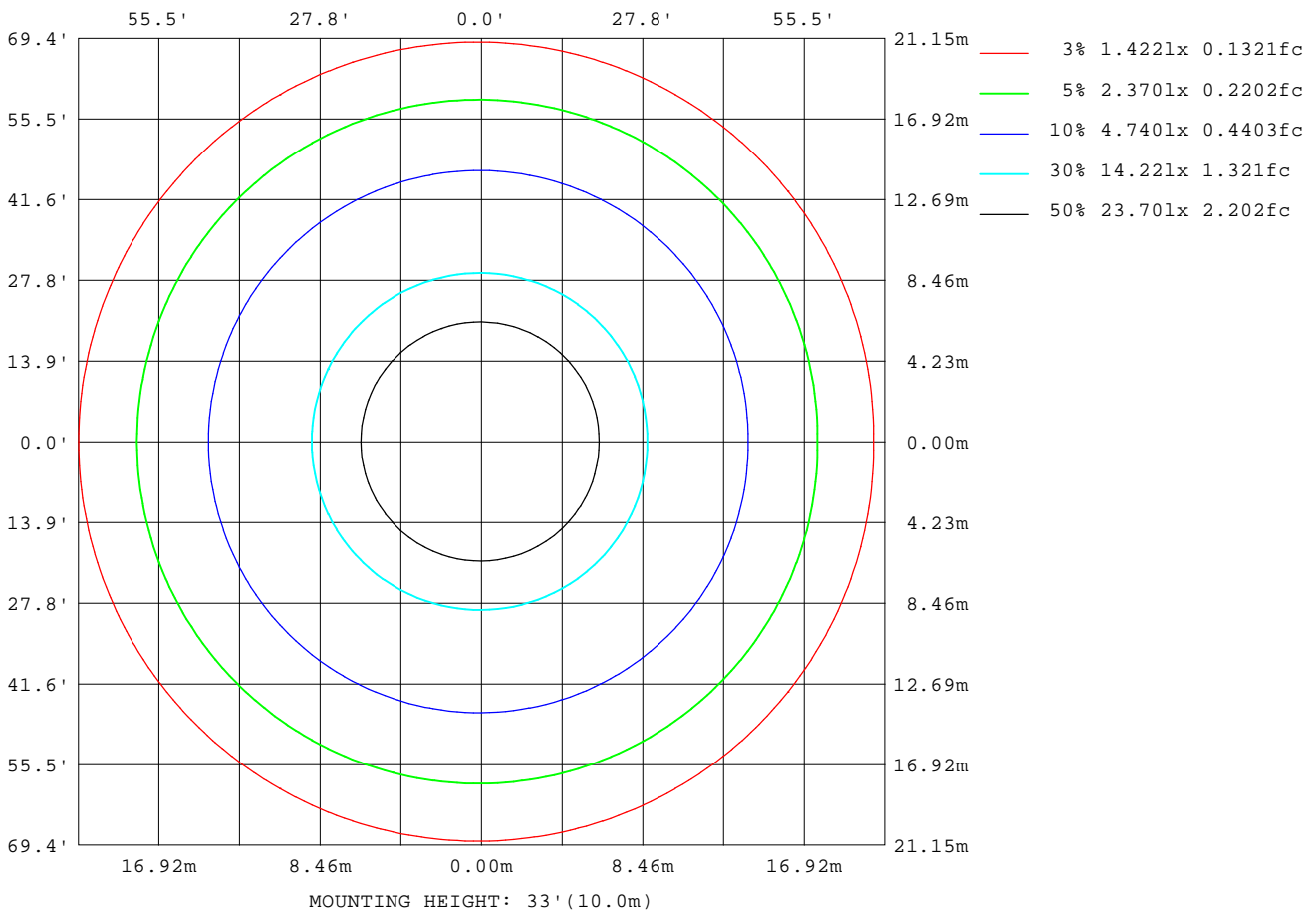
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-05-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7063]
Remarks:

ISOLUX DIAGRAM

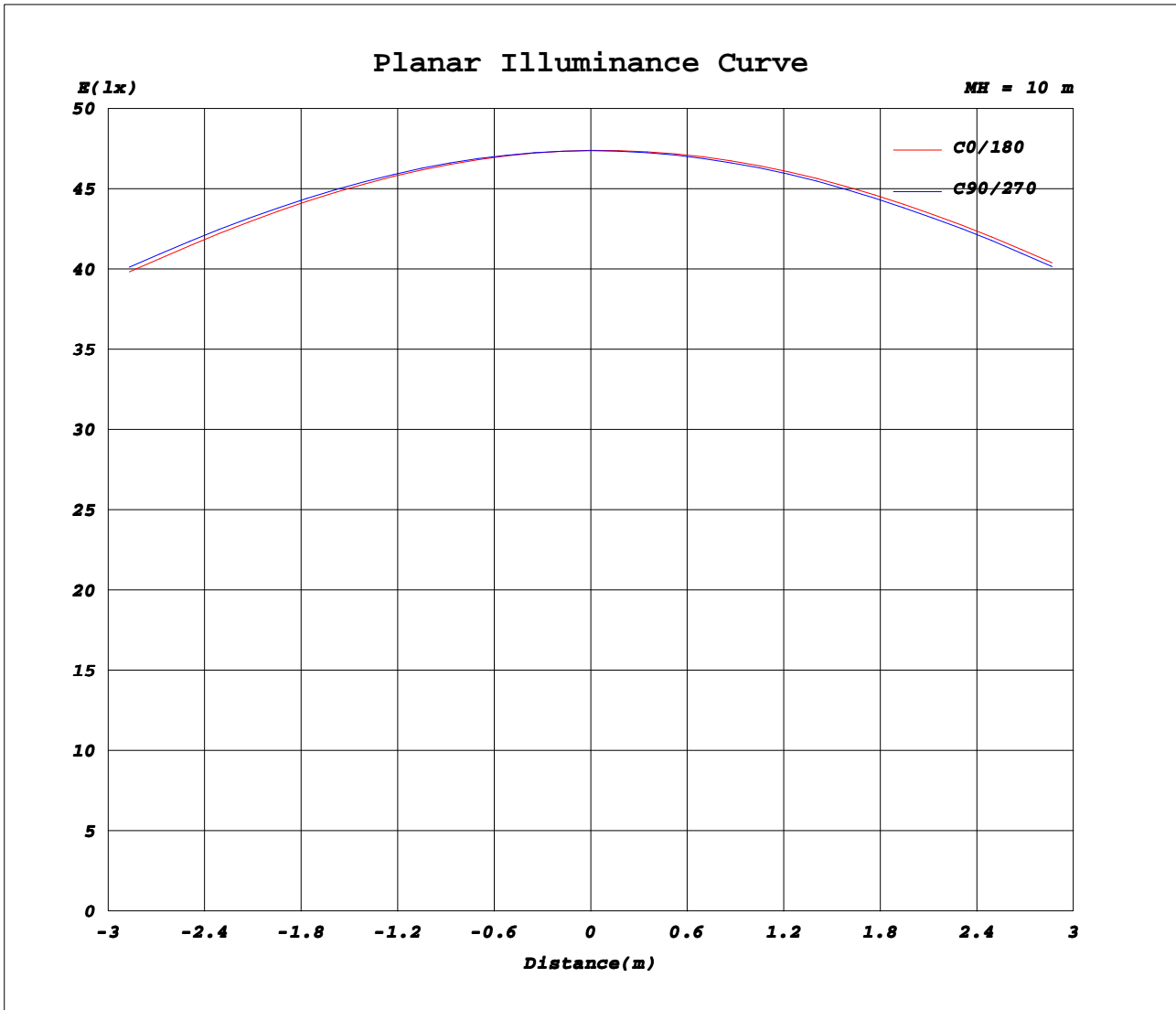
| | | |
|---|--------------------|--|
| Test:U:221.70V I:0.5700A P:124.00W PF:0.9800 Freq:50.00Hz | | |
| Lamp Flux:15834.7x1 lm | | |
| Name: NS40-φ1150MM-120W | Type: LED | |
| MFR.: Lumega Group | DIM.: D1150*H100mm | |
| | SUR.: D1130mm | |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-05-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-05-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|--------------------|--|
| Test:U:221.70V I:0.5700A P:124.00W PF:0.9800 Freq:50.00Hz Lamp Flux:15834.7x1 lm | | |
| Name: NS40-φ1150MM-120W | Type: LED | |
| MFR.: Lumega Group | DIM.: D1150*H100mm | |
| | SUR.: D1130mm | |

Table--1

UNIT: cd

| C(DEG) γ (DEG) | 0 | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 | | | | | | | |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|
| 0 | 4740 | 4739 | 4738 | 4738 | 4738 | 4739 | 4740 | 4739 | 4738 | 4738 | 4738 | 4739 | | | | | | | |
| 5 | 4706 | 4708 | 4711 | 4715 | 4720 | 4726 | 4729 | 4726 | 4721 | 4716 | 4712 | 4709 | | | | | | | |
| 10 | 4630 | 4636 | 4643 | 4650 | 4659 | 4668 | 4673 | 4669 | 4661 | 4651 | 4644 | 4637 | | | | | | | |
| 15 | 4511 | 4521 | 4532 | 4542 | 4556 | 4567 | 4574 | 4569 | 4559 | 4547 | 4536 | 4524 | | | | | | | |
| 20 | 4353 | 4368 | 4382 | 4396 | 4412 | 4425 | 4433 | 4428 | 4417 | 4402 | 4388 | 4372 | | | | | | | |
| 25 | 4155 | 4175 | 4193 | 4210 | 4229 | 4245 | 4254 | 4249 | 4236 | 4219 | 4201 | 4180 | | | | | | | |
| 30 | 3924 | 3948 | 3971 | 3991 | 4012 | 4029 | 4039 | 4033 | 4020 | 4000 | 3979 | 3954 | | | | | | | |
| 35 | 3661 | 3690 | 3717 | 3740 | 3763 | 3780 | 3790 | 3783 | 3768 | 3747 | 3723 | 3694 | | | | | | | |
| 40 | 3371 | 3403 | 3432 | 3458 | 3484 | 3504 | 3515 | 3507 | 3489 | 3464 | 3437 | 3406 | | | | | | | |
| 45 | 3050 | 3088 | 3121 | 3149 | 3177 | 3197 | 3208 | 3199 | 3181 | 3155 | 3126 | 3091 | | | | | | | |
| 50 | 2721 | 2757 | 2789 | 2819 | 2850 | 2874 | 2887 | 2877 | 2855 | 2825 | 2795 | 2760 | | | | | | | |
| 55 | 2367 | 2408 | 2443 | 2474 | 2502 | 2522 | 2532 | 2522 | 2503 | 2475 | 2445 | 2409 | | | | | | | |
| 60 | 2001 | 2043 | 2079 | 2109 | 2138 | 2158 | 2168 | 2159 | 2139 | 2111 | 2080 | 2043 | | | | | | | |
| 65 | 1628 | 1671 | 1708 | 1738 | 1765 | 1784 | 1793 | 1785 | 1767 | 1741 | 1710 | 1672 | | | | | | | |
| 70 | 1255 | 1302 | 1341 | 1371 | 1395 | 1410 | 1416 | 1408 | 1391 | 1367 | 1336 | 1299 | | | | | | | |
| 75 | 892 | 935 | 971 | 1000 | 1024 | 1040 | 1047 | 1039 | 1022 | 997 | 968 | 933 | | | | | | | |
| 80 | 551 | 595 | 630 | 658 | 677 | 688 | 691 | 683 | 667 | 645 | 619 | 588 | | | | | | | |
| 85 | 252 | 282 | 308 | 330 | 349 | 362 | 368 | 358 | 341 | 320 | 300 | 277 | | | | | | | |
| 90 | 31.2 | 36.3 | 43.5 | 52.8 | 69.3 | 83.9 | 92.8 | 80.7 | 63.4 | 45.4 | 36.9 | 32.2 | | | | | | | |
| 95 | 60.5 | 56.6 | 53.6 | 51.6 | 50.3 | 50.1 | 51.0 | 54.7 | 58.7 | 62.2 | 63.1 | 62.5 | | | | | | | |
| 100 | 101 | 94.8 | 90.4 | 87.9 | 87.7 | 89.0 | 91.3 | 94.9 | 98.5 | 102 | 103 | 102 | | | | | | | |
| 105 | 167 | 159 | 154 | 150 | 149 | 149 | 150 | 155 | 160 | 164 | 166 | 167 | | | | | | | |
| 110 | 224 | 217 | 211 | 208 | 205 | 205 | 206 | 214 | 222 | 230 | 231 | 229 | | | | | | | |
| 115 | 263 | 256 | 252 | 250 | 251 | 254 | 257 | 262 | 267 | 270 | 270 | 267 | | | | | | | |
| 120 | 310 | 304 | 300 | 298 | 300 | 303 | 307 | 313 | 318 | 322 | 321 | 317 | | | | | | | |
| 125 | 357 | 350 | 345 | 343 | 345 | 349 | 354 | 361 | 367 | 371 | 370 | 365 | | | | | | | |
| 130 | 402 | 395 | 390 | 388 | 390 | 393 | 398 | 406 | 413 | 418 | 417 | 411 | | | | | | | |
| 135 | 441 | 435 | 431 | 430 | 432 | 435 | 440 | 448 | 455 | 460 | 458 | 451 | | | | | | | |
| 140 | 475 | 471 | 469 | 469 | 472 | 477 | 482 | 489 | 494 | 497 | 494 | 487 | | | | | | | |
| 145 | 549 | 538 | 530 | 524 | 521 | 521 | 523 | 527 | 533 | 539 | 543 | 546 | | | | | | | |
| 150 | 616 | 609 | 604 | 601 | 600 | 601 | 603 | 608 | 614 | 618 | 619 | 618 | | | | | | | |
| 155 | 670 | 663 | 658 | 656 | 657 | 659 | 663 | 666 | 669 | 672 | 672 | 671 | | | | | | | |
| 160 | 718 | 709 | 704 | 701 | 704 | 708 | 713 | 715 | 716 | 717 | 718 | 718 | | | | | | | |
| 165 | 754 | 748 | 744 | 742 | 744 | 746 | 749 | 752 | 755 | 757 | 757 | 756 | | | | | | | |
| 170 | 785 | 782 | 780 | 777 | 775 | 773 | 772 | 773 | 775 | 778 | 780 | 782 | | | | | | | |
| 175 | 806 | 804 | 802 | 801 | 801 | 801 | 800 | 795 | 791 | 788 | 791 | 797 | | | | | | | |
| 180 | 812 | 808 | 805 | 804 | 807 | 811 | 813 | 810 | 807 | 804 | 805 | 807 | | | | | | | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-05-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks: